

POSITIONS AND AREA'S OF SUN SPOTS

[Communicated by Capt. Edwin T. Pollock, Superintendent U. S. Naval Observatory]
 [Data furnished by Naval Observatory, in cooperation with Harvard, Yerkes, and Mount Wilson observatories]

Date	Eastern standard civil time	Heliographic		Area ¹	
		Longi- tude	Latitude	Spot	Group
1927					
June 1 (Naval Observatory).....	h. m.	°	°		
	11 47	-87.0	+17.0	-----	463
		+18.0	-20.0	-----	139
		+39.5	-19.0	93	-----
		+62.0	-11.0	-----	46
June 2 (Naval Observatory).....	11 47	-72.0	+17.0	-----	617
		+30.5	-19.5	123	-----
		+52.0	-19.0	62	-----
June 3 (Harvard).....	10 29	-60.0	+17.0	-----	1125
		+41.0	-19.0	137	-----
June 5 (Naval Observatory).....	11 44	-32.0	+17.5	-----	648
		+70.0	-19.5	-----	93
June 6 (Naval Observatory).....	11 57	-41.0	+14.5	-----	62
		-38.5	+20.5	25	-----
		-19.5	+17.0	-----	679
June 7 (Harvard).....	10 24	-29.0	+15.0	-----	197
		-9.0	+16.0	-----	956
June 8 (Naval Observatory).....	11 50	-44.5	+11.5	9	-----
		-14.0	+16.0	-----	93
		+6.0	+17.0	-----	772
June 9 (Naval Observatory).....	11 46	+1.0	+15.5	-----	62
		+19.0	+17.0	-----	833
		+25.0	-19.5	-----	77
June 10 (Naval Observatory).....	13 55	-39.5	+21.5	9	-----
		-38.0	-19.0	6	-----
		+17.5	+16.0	-----	40
		+32.5	+17.5	-----	741
		+39.5	-19.0	-----	123
June 11 (Naval Observatory).....	11 32	-75.0	-9.0	77	-----
		-14.5	-20.5	6	-----
		+29.0	+15.0	31	-----
		+45.0	+17.0	-----	586
		+51.5	-19.5	-----	62
June 12 (Naval Observatory).....	11 33	-62.0	-9.0	108	-----
		-46.0	-25.5	15	-----
		0.0	-20.0	6	-----
		+42.0	+15.0	15	-----
		+59.0	+17.0	-----	494
		+66.0	-19.0	19	-----
June 13 (Naval Observatory).....	11 46	-57.5	-25.0	9	-----
		-48.0	-9.0	77	-----
		-35.0	-26.0	-----	37
		+14.5	-19.5	12	-----
		+73.0	+17.0	-----	401
June 15 (Naval Observatory).....	12 16	-30.5	-25.0	9	-----
		-20.5	-9.0	62	-----
		-5.0	-25.5	9	-----
June 16 (Naval Observatory).....	11 49	-85.0	-10.0	31	-----
		-18.0	-25.0	15	-----
		-7.5	-9.0	77	-----
		+8.5	-25.5	9	-----
		+50.0	+20.5	12	-----
June 17 (Naval Observatory).....	12 5	-65.0	-11.0	-----	31
		-4.0	-25.0	19	-----
		+7.0	-9.0	77	-----
June 18 (Naval Observatory).....	11 33	-50.5	-10.5	15	-----
		+9.0	-25.0	25	-----
		+20.0	-9.0	77	-----
June 20 (Naval Observatory).....	12 24	-61.5	-9.0	-----	93
		-23.0	-10.0	-----	15
		-20.0	-13.0	-----	15
		+46.5	-9.0	77	-----

¹ Areas are corrected for foreshortening and are expressed in millionths of sun's visible hemisphere.

Positions and areas of sun spots—Continued

Date	Eastern standard civil time	Heliographic		Area	
		Longi- tude	Latitude	Spot	Group
1927					
	<i>h. m.</i>	<i>°</i>	<i>°</i>		
June 21 (Naval Observatory)	11 44	-47.5	-9.0	-----	216
		-8.5	-10.5	-----	37
		+59.5	-9.0	77	-----
June 22 (Naval Observatory)	11 39	-34.0	-8.5	-----	216
		+5.0	-10.5	-----	31
		+14.0	-5.5	9	-----
		+71.5	-9.0	108	-----
June 23 (Naval Observatory)	13 14	-60.0	-14.0	31	-----
		-19.0	-9.0	-----	185
		+19.0	-11.0	-----	93
		+31.0	-28.0	-----	46
June 24 (Naval Observatory)	11 41	-49.0	-11.5	-----	19
		-8.5	-9.0	-----	185
		+32.5	-11.0	-----	93
		+42.5	-29.0	-----	46
June 25 (Naval Observatory)	11 42	-73.0	-19.5	-----	123
		-72.0	-9.0	-----	247
		-18.5	-7.5	-----	31
		-1.0	-9.5	-----	123
		+10.0	-9.5	22	-----
		+49.0	-11.0	-----	123
		+51.5	-29.5	-----	46
June 26 (Naval Observatory)	11 53	-75.5	-9.5	62	-----
		-69.0	-10.0	31	-----
		-59.5	-19.5	93	-----
		-59.0	-8.5	-----	247
		-20.5	+21.0	-----	46
		+5.0	+21.0	-----	37
		+17.5	-9.0	-----	62
		+61.5	-11.0	-----	46
June 27 (Naval Observatory)	11 46	-64.0	-8.5	46	-----
		-45.5	-19.0	77	-----
		-44.5	-8.0	-----	247
		-7.0	+22.0	-----	62
		+1.0	+9.0	-----	46
		+18.5	+22.0	-----	139
		+29.5	-9.0	-----	62
		+72.0	-12.0	31	-----
June 28 (Naval Observatory)	11 46	-69.0	-21.0	-----	154
		-31.5	-19.0	-----	81
		-31.0	-8.0	-----	247
		+7.5	+22.0	-----	62
		+14.0	+8.5	-----	46
		+32.0	+22.0	-----	123
		+40.5	-9.0	-----	62
June 29 (Naval Observatory)	11 46	-73.5	+16.0	-----	247
		-57.0	-21.0	-----	123
		-19.0	-19.0	-----	46
		-18.0	-8.0	-----	247
		+21.0	+22.0	-----	46
		+28.5	+8.0	-----	15
		+45.0	+22.0	-----	154
		+59.5	-9.5	-----	62
June 30 (Naval Observatory)	11 47	-73.0	+15.0	93	-----
		-61.0	+16.5	-----	340
		-43.0	-20.5	-----	31
		-6.0	-19.0	15	-----
		-4.5	-8.0	-----	370
		+0.5	-20.0	-----	15
		+34.0	+22.0	-----	77
		+61.0	+20.5	93	-----
		+68.5	-11.0	46	-----